

J-A

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 0    | (additive same image same dither same value same pixel same frame same temporal) .clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 15:45 |
| L2    | 0    | (additive same image same dither same pixel same temporal) .clm.                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 15:30 |
| L3    | 0    | (additive same image same dither same pixel same temporal) .clm.                       | US-PGPUB   | OR               | ON      | 2007/11/20 15:31 |
| L4    | 0    | (pattern same image same dither same pixel same temporal) .clm.                        | US-PGPUB   | OR               | ON      | 2007/11/20 15:31 |
| L5    | 1    | (pattern same image same dither same pixel same temporal) .clm.                        | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 16:05 |
| L6    | 0    | (additive same image same dither same value same pixel same frame same temporal)       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 15:46 |
| L7    | 0    | (additive same image same dither same value same pixel) and (frame same temporal)      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 15:46 |
| L8    | 2    | ("5111310").PN.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2007/11/20 16:05 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| L9  | 4857 | spatio\$10 or (spatio same temporal) and array and (dither adj5 pattern) and pixel and (color adj4 channel) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L10 | 3128 | L9 and @ad <= "20030930"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L11 | 320  | L10 and temporal adj5 frame   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L12 | 16   | L11 and (dispersed or scatter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L13 | 2    | ("20050068463").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L14 | 529  | repellent near2 function  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L15 | 2    | ("6573928").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |

## EAST Search History

|     |     |   |  |    |     |                  |
|-----|-----|---|--|----|-----|------------------|
| L16 | 119 | L14 and @rlad <= "20030930"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L17 | 16  | L16 and spatio\$10 or (spatio same temporal) and array and dither and pixel | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L18 | 0   | repelent near2 function   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L19 | 211 | L14 and @prad <= "20030930"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L20 | 2   | ("20050068463").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L21 | 16  | L19 and spatio\$10 or (spatio same temporal) and array and dither and pixel | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L22 | 2   | EP near3 "1521450"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| L23 | 1593 | convolution near2 kernel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L24 | 612  | L23 and @rlad <= "20030930"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L25 | 185  | L24 and dither and pixel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L26 | 5    | L25 and (dither near4 pattern)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L27 | 0    | EP1521450   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L28 | 2    | ("6950211").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L29 | 4857 | spatio\$10 or (spatio same temporal) and array and (dither adj5 pattern) and pixel and (color adj4 channel) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |

## EAST Search History

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| L30 | 3128 | L29 and @ad <= "20030930"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:46 |
| L31 | 320  | L30 and temporal adj5 frame   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:46 |
| L32 | 529  | repellent near2 function  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:46 |
| L33 | 119  | L32 and @rlad <= "20030930"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:46 |
| L34 | 0    | repelent near2 function   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:46 |
| L35 | 211  | L32 and @prad <= "20030930"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:46 |
| L36 | 16   | L35 and spatio\$10 or (spatio same temporal) and array and dither and pixel | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:46 |

## EAST Search History

|     |      |                                |  |    |     |                  |
|-----|------|--------------------------------|--|----|-----|------------------|
| L37 | 1593 | convolution near2 kernel       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L38 | 612  | L37 and @rlad <= "20030930"    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L39 | 185  | L38 and dither and pixel       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L40 | 0    | EP1521450                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L41 | 16   | L31 and (dispersed or scatter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L42 | 2    | ("20050068463").PN.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L43 | 2    | ("6573928").PN.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |

## EAST Search History

|     |    |   |  |    |     |                  |
|-----|----|---|--|----|-----|------------------|
| L44 | 16 | L33 and spatio\$10 or (spatio same temporal) and array and dither and pixel | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L45 | 2  | ("20050068463").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L46 | 5  | L39 and (dither near4 pattern)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L47 | 2  | EP near3 "1521450"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L48 | 2  | ("6950211").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L49 | 2  | ("5983251").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L50 | 2  | ("20060221366").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |

## EAST Search History

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| L51 | 2    | ("5,469,515").PN.                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L52 | 69   | (FENG near XIAO-FAN)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L53 | 2    | ("4675532").PN.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L54 | 152  | (DALY near SCOTT)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L55 | 2    | ("7098927").PN.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L56 | 1608 | (pixel same value same temporal<br>same frame) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L57 | 2    | ("6281942").PN.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |

## EAST Search History

|     |     |   |  |    |     |                  |
|-----|-----|---|--|----|-----|------------------|
| L58 | 2   | ("6091849").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 16:46 |
| L59 | 13  | L52 and (pixel same value same temporal same frame) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L60 | 205 | (345/596).ccls.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:53 |
| L61 | 37  | L60 and @rlad <= "20030930"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:54 |
| L62 | 12  | L54 and (pixel same value same temporal same frame) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:46 |
| L63 | 198 | (345/597).ccls.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:53 |
| L64 | 553 | (345/611).ccls.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 16:53 |

## EAST Search History

|     |     |                            |  |    |    |                  |
|-----|-----|----------------------------|--|----|----|------------------|
| L65 | 39  | 63 and @rlad <= "20030930" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:54 |
| L66 | 154 | 64 and @rlad <= "20030930" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/20 16:54 |

 **PORTAL**  
USPTO

Subscribe (Full Service) [Register \(Limited Service, Free\)](#) [Login](#)

Search:  The ACM Digital Library  The Guide



 [Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used: [additive image dither pattern](#)

Found **68,538** of **215,186**

Sort results by [relevance](#)

[Try an Advanced Search](#)  
[Try this search in The ACM Guide](#)

Display results [expanded form](#)

Open results in a new window

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale 

**1** [Digital halftoning with space filling curves](#)

 Luiz Velho, Jonas de Miranda Gomes

July 1991 **ACM SIGGRAPH Computer Graphics , Proceedings of the 18th annual conference on Computer graphics and interactive techniques SIGGRAPH '91**, Volume 25 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(2.92 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper introduces a new digital halftoning technique that uses space filling curves to generate aperiodic patterns of clustered dots. This method allows the parameterization of the size of pixel clusters, which can vary in one pixel steps. The algorithm unifies, in this way, the dispersed and clustered-dot dithering techniques.

**Keywords:** bilevel display, digital halftoning, dithering, quantization, space filling curves

**2** [Color quantization by dynamic programming and principal analysis](#)



Xiaolin Wu  
October 1992 **ACM Transactions on Graphics (TOG)**, Volume 11 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(9.47 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Color quantization is a process of choosing a set of K representative colors to approximate the N colors of an image, K < N, such that the resulting K-color image looks as much like the original N-color image as possible. This is an optimization problem known to be NP-complete in K. However, this paper shows that by ordering the N colors along their principal axis and pa ...

**Keywords:** algorithm analysis, clustering, color quantization, dynamic programming, principal analysis

**3** [Space diffusion: an improved parallel halftoning technique using space-filling curves](#)



Yuefeng Zhang, Robert E. Webber  
September 1993 **Proceedings of the 20th annual conference on Computer graphics and interactive techniques SIGGRAPH '93**

Publisher: ACM Press

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) |

Welcome United States Patent and Trademark Office

 [Search Results](#)[BROWSE](#)[SEARCH](#)[IEEE Xplore Guide](#)

Results for "((additive image dither pattern)&lt;in&gt;metadata)"

Your search matched 0 of 1690033 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.[» Search Options](#)[View Session History](#)[New Search](#)[Modify Search](#) Check to search only within this results setDisplay Format:  Citation  Citation & Abstract[IEEE/IET](#)[Books](#)[Educational Courses](#)[A](#)[IEEE/IET journals, transactions, letters, magazines, conference proceedings, and](#)[Select All](#) [Deselect All](#)[» Key](#)

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

[No results were found.](#)

Please edit your search criteria and try again. Refer to the Help pages if you need assistance.

[Help](#) [Contact Us](#)

© Copyright 20

Indexed by  
 Inspec®